

20 07 2001

## DECLARATION

As the below-named inventors, we declare that:

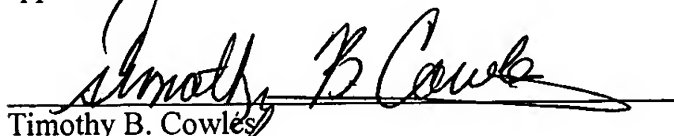
Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the invention entitled "LOW POWER AUTO-REFRESH CIRCUIT AND METHOD FOR DYNAMIC RANDOM ACCESS MEMORIES," which is described and claimed in the foregoing application and for which a patent is sought.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to herein (if any).

We acknowledge our duty to disclose information of which we are aware which is material to patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

  
Timothy B. Cowles

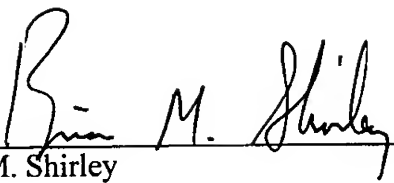
Date 10/5/01

Residence : City of Boise, County of Ada  
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Citizenship : United States of America

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Boise, Idaho 83713

10056935 101801

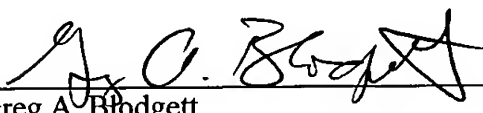
  
\_\_\_\_\_  
Brian M. Shirley

Date 10/5/01

Residence : City of Boise, County of Ada  
State of Idaho

Citizenship : United States of America

P.O. Address : 2484 Sunshine Drive  
Boise, Idaho 83712

  
\_\_\_\_\_  
Greg A. Blodgett

Date 10/05/01

Residence : City of Nampa, County of Canyon  
State of Idaho

Citizenship : United States of America

P.O. Address : 4013 Ivy Drive  
Nampa, Idaho 83686

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Timothy B. Cowles, Brian M. Shirley  
and Greg A. Blodgett

Docket No. 501030.01

Disclosure No. 01-0542

Filed : Concurrently herewith

For : LOW POWER AUTO-REFRESH  
CIRCUIT AND METHOD FOR  
DYNAMIC RANDOM ACCESS  
MEMORIES

## ASSIGNMENT:

☒ Enclosed for recording☐ Previously recorded

Date: \_\_\_\_\_

Reel: \_\_\_\_\_

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83716-9632, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "**LOW POWER AUTO-REFRESH CIRCUIT AND METHOD FOR DYNAMIC RANDOM ACCESS MEMORIES**"; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States of America;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

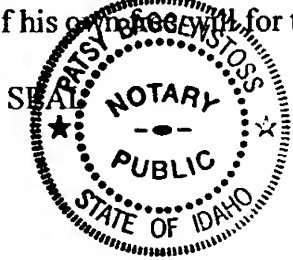


Brian M. Shirley  
Brian M. Shirley

Date: 10/5/01

STATE OF IDAHO )  
 ) ss.  
County of ADA )

BEFORE ME, this 5th day of October, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Patsy Baggenstos  
Notary or Consular Officer  
My Commission Expires 5/22/07

Greg A. Blodgett  
Greg A. Blodgett

Date: 10/05/01

STATE OF IDAHO )  
 ) ss.  
County of ada )

BEFORE ME, this 5th day of October, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Patsy Baggenstos  
Notary or Consular Officer  
My Commission Expires 5/22/07

# PATENTS ONLY

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

**1. Name(s) of conveying party(ies):**

- 1) TIMOTHY B. COWLES
- 2) BRIAN M. SHIRLEY
- 3) GREG A. BLODGETT
- 4)
- 5)
- 6)

Additional names of conveying parties attached? ☐ Yes ☐ No

**2. Name and address of receiving party:**

Name: MICRON TECHNOLOGY, INC.

Internal Address: \_\_\_\_\_

Street Address: 8000 SOUTH FEDERAL WAY

P.O. BOX 6 / 83707-0006

City: BOISE State: IDAHO

Zip: 83716-9632

Additional names & addresses attached? ☐ Yes ☒ No

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Dates:

- |                           |          |
|---------------------------|----------|
| 1) <u>OCTOBER 5, 2001</u> | 4) _____ |
| 2) <u>OCTOBER 5, 2001</u> | 5) _____ |
| 3) <u>OCTOBER 5, 2001</u> | 6) _____ |

**4. Application number(s) or registration number(s):**

If this document is being filed together with a new application, the execution date of the application is OCTOBER 18, 2001.

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: DORSEY & WHITNEY LLP

Internal Address: EDWARD W. BULCHIS

SUITE 3400

Street Address: 1420 FIFTH AVENUE

City: SEATTLE State: WA ZIP: 98101

**6. Total number of applications and patents involved.....**

One (1)

**7. Total Fee (37 CFR 3.41): .....**

\$40

☒ Enclosed

☐ Authorized to be charged to deposit account

**8. Deposit account number:**

50-1266

DO NOT USE THIS SPACE

**9. Statement and signature.**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

EDWARD W. BULCHIS

Name of Person Signing.

*Edward W. Bulchis* 10/17/01

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4